

Title (en)

PHOTOVOLTAIC HYDROGEN GENERATION PROCESS AND DEVICE

Title (de)

VORRICHTUNG UND VERFAHREN ZUR PHOTOVOLTAISCHEN ERZEUGUNG VON WASSERSTOFF

Title (fr)

DISPOSITIF ET PROCEDE DE PRODUCTION PHOTOVOLTAIQUE D'HYDROGENE

Publication

EP 1834012 B1 20160106 (DE)

Application

EP 05792163 A 20051007

Priority

- EP 2005010844 W 20051007
- DE 102004050638 A 20041018

Abstract (en)

[origin: WO2006042650A2] A process and device are disclosed for photovoltaically generating hydrogen from hydrogen-containing compounds. Solar light is concentrated by an optical concentrator onto solar cells and the resulting voltage is directly used for the electrolysis of a hydrogen-containing compound, in particular de-ionised water, in order to produce hydrogen.

IPC 8 full level

C25B 1/04 (2006.01); **C25B 9/18** (2006.01); **H01L 31/052** (2006.01)

CPC (source: EP US)

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